

College of Nursing and Health Professions



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Complimentary Modalities for the Prevention and Management of Post Operative Nausea and Vomiting (PONV)

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BACKGROUND

- ◆ Complimentary modalities play an important role alone and in combination with pharmacologic therapies
- ◆ The causes or etiologies of PONV are complex, are many, and arise from many neural and hormonal pathways
- ◆ At the 2006 American Society of PeriAnesthesia Nurses (ASPAN) PONV/PDNP Consensus Meeting, complementary evidence was reviewed and ranked for the efficacious use in the ASPAN PONV / PDNP Guideline development

EBP SPECIALTY GROUP QUESTION

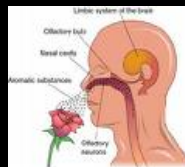
- ◆ Which complimentary modalities for the prevention and management of PONV are supported by the evidence?

COMPLIMENTARY TREATMENT MODALITIES

- ◆ Acupuncture, transcutaneous electrical nerve stimulation (TENS), acupoint stimulation, acupressure, laser stimulation, aromatherapies with isopropyl alcohol, peppermint, ginger, showed statistically significant reductions in PONV in the immediate post-operative period but not thereafter



*American Society of
PeriAnesthesia Nurses*



SUMMARY OF REVIEWED ARTICLES

- ◆ 2 Level I Meta Analysis
- ◆ 14 Level II RCTs
- ◆ 1 Level IV



EBP RECOMMENDATION

- ◆ Class II B
- ◆ Level A

EBP TRANSLATION TO PRACTICE

- ◆ Preoperative Patient Management
- ◆ Patient at Risk for PONV
 - P6 Acupoint Stimulation
- ◆ Postoperative Patient Management
 - Rescue Interventions
 - Aromatherapy



RECOMMENDATIONS FOR FUTURE RESEARCH

- ◆ Require further research
 - Aroma Ginger therapy
 - Capsaicin ointment
- ◆ Larger samples
- ◆ Timing studies
- ◆ Combination drug and modalities studies
- ◆ Meta analysis on aroma therapy
- ◆ Acupressure / acustimulation and aroma therapy seem cost effective and easy: Future research on timing

